

RECEIVED
CENTRAL FAX CENTER**AUG 07 2007****PATENT**
P56687**IN THE CLAIMS**

Pursuant to 37 CFR §121(c), the claim listing, including the text of the claims, will serve to replace all prior versions of the claims, in the application.

Please cancel claim 38 without prejudice or disclaimer of their subject matter, and amend claims 15, 24 and 43 as follows:

Claims 1 - 11. (Canceled)

1 12. (Previously Presented) A time indicator, comprising:
2 a movement element encased between a dial side driven by said movement element to
3 provide a representation of time, and a reverse side, said movement element containing an
4 opening extending through said reverse side to said dial side; and
5 a flying tourbillon module comprising an independent element relative to said time
6 element being removably insertably into said opening via said reverse side, said flying tourbillon
7 being visible from said dial side of said movement element while said flying tourbillon resides
8 within said opening, and being removably separable from said movement element while
9 operationally assembled as said flying tourbillon module via said reverse side of said movement
10 element, said flying tourbillon module comprising a cantilevered bearing that supports said flying
11 tourbillon module.

1 13. (Previously Presented) The time indicator of claim 12, said flying tourbillon module
2 comprising:
3 a balance bridge;
4 a collet forming a cage with said balance bridge; and
5 a balance wheel disposed in said cage between said collet and said balance bridge

PATENT
P56687

1 14. (Previously Presented) The time indicator of claim 13, with said flying tourbillon
2 module comprised of a single ball bearing.

1 15. (Currently Amended) The time indicator of claim 13, said flying tourbillon module
2 further comprising a shaft on which said balance wheel is mounted, said shaft having an end, said
3 ~~bearing means comprising~~ and a bearing positioned a distance from said end of said shaft at a
4 level of a center of gravity of said flying tourbillon module.

1 16. (Previously Presented) The time indicator of claim 13, wherein said collet has a
2 diameter greater than a diameter of any other element so as to define a space requirement in a
3 plane of the time indicator.

1 17. (Previously Presented) The time indicator of claim 13, wherein said balance wheel
2 is arranged eccentrically within the cage.

1 18. (Previously Presented) The time indicator of claim 13, wherein said flying tourbillon
2 module further comprises a shaft on which said balance wheel is mounted, a cannon surrounding
3 said shaft, and a tourbillon bridge, and wherein said balance bridge, said collet, said balance
4 wheel, a bearing and said tourbillon bridge forming an integral unit supporting regulatory
5 elements of said time indicator.

1 19. (Previously Presented) The time indicator of claim 17, wherein said regulatory
2 elements include an oscillator shaft having an end, a bearing positioned between a plane of said
3 end of said oscillator shaft and a plane of a center of gravity of said flying tourbillon module.

1 20. (Previously Presented) The time indicator of claim 13, wherein said balance bridge
2 is formed of one of a transparent material and a semi-transparent material so as to serve as a

PATENT
P56687

3 second hand of said time indicator.

1 21. (Previously Presented) The time indicator of claim 13, wherein said balance bridge
2 carries at least one of precious stones, precious metals and ornaments so as to serve as a second
3 hand of said time indicator.

1 22. (Previously Presented) The time indicator of claim 12, wherein said flying tourbillon
2 module is positioned in a plane of a dial of the time indicator and is visible from the dial side of
3 the time indicator in one of a six o'clock position and a twelve o'clock position.

1 23. (Previously Presented) The time indicator of claim 12, said time indicator including
2 a dial, said flying tourbillon module being positioned in said movement element in a raised
3 manner relative to said dial.

1 24. (Currently Amended) A method of installing a balance spring flying tourbillon in a
2 time indicator, comprising the steps of:

3 (a) providing the time indicator comprised of a movement element and regulatory
4 elements disposed between a dial side and a reverse side of said time indicator, said movement
5 element containing an opening extending through said reverse side to said dial side;

6 (b) providing a flying tourbillon module comprised of a plurality of elements
7 forming an integral module supporting the regulatory elements; and

8 (c) mounting the flying tourbillon module within said opening as said integral
9 module operationally engaging the time indicator with operational movements of said flying
10 tourbillon module being visible from said dial side and said flying tourbillon module being
11 removably separable as said integral module from the movement element via said reverse side.

1 25. (Previously Presented) The method of claim 24, wherein the plurality of elements of
2 said flying tourbillon module comprises at least one of a balance bridge, a collet, a balance wheel,

PATENT
P56687

3 a cannon, a bearing, and a tourbillon bridge.

1 26. (Previously Presented) The method of claim 24, wherein step (b) comprises
2 assembling said flying tourbillon module as a separate component relative to said movement
3 element and said regulatory elements of said time indicator.

1 27. (Previously Presented) The method of claim 24, wherein said flying tourbillon
2 module is separable from said time indicator and is thereby adjustable outside the movement
3 element of said time indicator.

1 28. (Previously Presented) The method of claim 24, wherein step (c) comprises inserting
2 the flying tourbillon module from a side of the movement element opposite to the dial side of the
3 time indicator.

1 29. (Previously Presented) The method of claim 28, wherein step (c) further comprises
2 inserting the flying tourbillon module into the opening in the movement element.

1 30. (Previously Presented) The method of claim 29, wherein step (c) further comprises
2 fixing the flying tourbillon module to the movement element on the side of the movement element
3 opposite to the dial side of the time indicator.

1 31. (Previously Presented) The method of claim 30, wherein the plurality of elements of
2 said flying tourbillon module includes a tourbillon bridge, and step (c) comprises fixing the
3 tourbillon bridge of said flying tourbillon module to the movement element on the side of the
4 movement element opposite to the dial side of the time indicator.

1 32. (Previously Presented) The method of claim 24, wherein step (c) comprises inserting
2 the flying tourbillon module into the opening in the movement element.

PATENT
P56687

1 33. (Previously Presented) The method of claim 24, wherein step (c) comprises fixing
2 the flying tourbillon module to the movement element on a side of the movement element
3 opposite to a dial side of the time indicator.

1 34. (Previously Presented) The method of claim 24, wherein the plurality of elements of
2 said flying tourbillon module includes a tourbillon bridge, and step (c) comprises fixing the
3 tourbillon bridge of said flying tourbillon module to the movement element on the reverse side
4 of the movement element opposite to the dial side of the time indicator.

1 35. (Previously Presented) The time indicator of claim 19, comprising a shaft supporting
2 said oscillator, said shaft having a first extremity driving into a cannon fixed to the collet and a
3 second extremity driven into the balance bridge.

1 36. (Previously Presented) The time indicator of claim 13, with said movement
2 comprising an opening extending from the front to the back of the movement, where by said
3 opening has a diameter which is larger than the diameter of said collect.

1 37. (Previously Presented) The method of claim 25, wherein the collet is arranged within
2 the opening of the movement element which extends from the front side to the back side of the
3 movement element.

Claim 38. (Canceled)

1 39. (Previously Presented) The time indicator of claim 43, wherein extremities of said
2 shaft comprise anti-shock units.

PATENT
P56687

1 40. (Previously Presented) The time indicator of claim 39, comprising a pallet oscillator
2 with a pallet wheel.

1 41. (Previously Presented) The time indicator of claim 40, comprising an internal toothed
2 crown attached to the balance bridge, whereby said pallet wheel is engaged with said internal
3 toothed crown creating the rotation of the pallet wheel about an axis of said pallet wheel by the
4 motion of the collet.

1 42. (Previously Presented) The time indicator of claim 43, with said flying tourbillon
2 comprising a ball bearing.

1 43. (Currently Amended) A time indicator, comprising:
2 a flying tourbillon module assembled independently from a movement element that
3 is encased between a dial side of the movement element driven by the movement element to
4 provide a representation of time, and a reverse side of the movement element,
5 said flying tourbillon module operationally engaging a constituent element of the
6 movement ~~module~~ element when said flying tourbillon module is removably inserted via the
7 reverse side into an opening in the movement element that extends between the dial side and the
8 reverse side,
9 said flying tourbillon being visible from said dial side of said movement element
10 while said flying tourbillon resides within said opening, and being removably separable from said
11 movement element while operationally assembled as said flying tourbillon module via said reverse
12 side of said movement element, and
13 said flying tourbillon module comprising a cantilevered bearing that supports said
14 flying tourbillon module.